

## CLAIMS

What is claimed is:

1. In a printer which has a fast and a slow scan direction and prints an image of pixels on a page, a method of compressing, shifting in the slow scan direction and printing an image comprising the steps of :

compressing the image data into independent strips which are a full page in the fast scan dimension, and a number of scan lines in the slow scan direction,

shifting the image by either adding or deleting compressed blank strips before or after the image in the slow scan direction,

decompressing the compressed image into scanlines of pixels, and

printing the page.

2. The process of printing a booklet from a number  $n$  of sheets of paper comprising the steps of:

printing two page images on each side of each sheet,

folding the sheets in half to form a booklet having  $4n$  pages, and

trimming the outside edges of all pages to a uniform distance from the fold, and

wherein the method of printing and shifting of Claim 1 is used to shift the pages so that all page images are a uniform distance to the trimmed edge.